

REMARKS

Claims 1-26 remain in the present application. Applicants respectfully request further examination and reconsideration of the rejections based on the arguments set forth below.

35 U.S.C. Section 103 rejections

Paragraphs 5-6 of the above referenced Office Action states that independent Claims 1, 11, and 17 are rejected as allegedly being rendered unpatentable by Brooke (US Patent No. 6,748,569), in combination with Bauwens (US Patent No. 6,704,893), and in further combination with Dole (US Patent No. 6,634,008). Applicants respectfully traverse.

Embodiments of the present invention are operable for implementing electronic circuits for microcontroller programmable system-on-a-chip devices. Embodiments of the claimed invention relate to an integrated design environment a microcontroller programmable system-on-a-chip that stores constituent descriptions of the modules and devices available for configuration by the designer in a database that is formatted with extensible markup language (XML). The parameterization information is combined with the module and device descriptions to automatically produce a project configuration report. This combination is performed using an extensible stylesheet language (XSL) stylesheet. XSL may be used to transform the XML data into an HTML (hypertext markup language) file that is then rendered by a browser. Importantly, the project configuration report production functionality is provided within the context of the IDE (integrated design environment).

The cited combination relies on Dole to show an IDE. However, Dole does not disclose or suggest an IDE configured for use in the implementation and configuration of a microcontroller programmable system-on-a-chip. Dole does not disclose or suggest the

production of any reports from a microcontroller programmable system-on-a-chip, and does not disclose or suggest the use of an IDE to configure a microcontroller programmable system-on-a-chip.

Brooke is relied upon to show XML style sheet processing and XML document methods. The addition of Brooke does not disclose or suggest any implementations of a microcontroller programmable system-on-a-chip electronic device. The Brooke-Dole combination does not suggest any need for IDE processing for any microcontroller devices, any IDE processing for any programmable system-on-a-chip devices, or an IDE configured for use with reusable components and reconfigurable components of a microcontroller programmable system-on-a-chip.

Bauwens does not solve the deficiencies of the Brooke-Dole combination. Bauwens does not show an IDE. Bauwens does not show the configuration of a programmable electronic device within an IDE. Bauwens does not show or suggest the use of an IDE in a design process. Applicants find the cited section of Bauwens to merely disclose "an integrated circuit 10 under test" for use with automatic test equipment (e.g., Bauwens column 4, lines 11-22, and Figure 1).

Independent Claims 1, 11, 17, and 24 have each been amended to more particularly point out descriptions of a microcontroller programmable system-on-a-chip being accessed and configured from an integrated design environment (IDE). Accordingly, Applicants respectfully assert that the present invention as recited in Claims 1-26 cannot be rendered unpatentable by the cited combination within the meaning 35 U.S.C. section 103.

CONCLUSION

Applicants respectfully assert that all claims (Claims 1-26) are now in condition for allowance and Applicants earnestly solicit such action from the Examiner.


The Examiner is urged to contact Applicants' undersigned representative if the Examiner believes such action would expedite resolution of the present Application.

Please charge any additional fees or apply any credits to our PTO deposit account number: 23-0085.

Respectfully submitted,

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